<u>CLAIMS</u>

Sub B'

1. A communication device comprising:

(a) camera communication means for sending and receiving data to and from a digital camera; and

(b) network communication means for sending and receiving said data through a network, to and from a destination device.

2. A communication device as recited in claim 1 wherein said camera communication means utilizes an existing protocol of communication of said camera for communication to a PC, whereby said communication device is transparent to said camera.

3. A communication device as recited in claim 1 wherein said network communication means includes a modem.

4. A communications device as recited in claim 3 wherein said modem is connected via predefined phone numbers.

5. A communication device as recited in claim 1 wherein said network communication means includes means for connecting to an ethernet network.

6. A communication device as recited in claim 1 wherein said network communication means includes a network router.

7. A communication device as recited in claim 1 wherein said network communication means includes means for establishing a wireless connection to a network.

8. a communication device as recited in claim 1 wherein said network communication means includes means for establishing a satellite connection to a network.

1   9. A communication device as recited in claim 1
2   wherein said destination device is a printer.

1   10. A communication device as recited in claim 1
2   wherein said destination device is a phone switch.

1   11. A communication device as recited in claim 1
2   wherein said destination device is a server.

1   12. A communication device as recited in claim 1
2   wherein said communication device is programmable.

1   13. A communication device as recited in claim 1
2   wherein said communication device has a unique
3   identification.

1   14. A communication device as recited in claim 13
2   wherein said communication device sends said unique
3   identification as part of said data to be transmitted to said
4   destination device.

1   15. A communication device as recited in claim 1
2   wherein said communication device further comprises a counter
3   to provide a unique identification number for image data
4   representing a particular image.

1   16. A communication device as recited in claim 15
2   wherein said communication device sends said unique
3   identification of each said image as part of said
4   transmission.

1   17. A communication device as recited in claim 1
2   wherein said communication device includes means for
3   providing time and date identification data indicating the
4   time and date of processing of each image.

1 18. A communication device as recited in claim 17
2 wherein said communication device receives said time and date
3 identification data from the network.

1 19. A communication device as recited in claim 18
2 wherein said communication device sends said time and date
3 identification data as part of said data transmitted to said
4 destination device.

1 20. A communication device as recited in claim 1
2 wherein said communication device includes global positioning
3 detection apparatus.

1 21. A communication device as recited in claim 20
2 wherein said communication device sends global position data
3 as part of said data transmittal to said destination device.

1 22. A communication device as recited in claim 12
2 wherein said camera communication means includes means for
3 entering data for programming said communication device.

1 23. A communication device as recited in claim 12
2 wherein said communication device is programmed with data
3 received from said destination device.

1 24. A communication device as recited in claim 1
2 further comprising a Smart card port for reception of a Smart
3 card.

1 25. A communication device as recited in claim 12
2 wherein said communication device is programmable to receive
3 camera operational parameter data and to send said camera
4 operational parameter data to a camera connected to said
5 communication device.

1   26. A communication device as recited in claim 12
2   wherein said communication device is programmable to
3   watermark image data received from a camera.

1   27. A communication device as recited in claim 12
2   wherein said communication device is programmable to encrypt
3   image data received from a camera.

1   28. A communication device as recited in claim 12
2   wherein said communication device is programmable to form
3   image authentication data.

1   29. A communication device as recited in claim 1
2   wherein said network communication means is for sending data
3   to a plurality of network destination devices.

1   30. A communication device as recited in claim 1
2   further comprising a visual display for indicating the
3   progression of said sending data.

1   31. A communication device as recited in claim 30
2   wherein said visual display indicates a remaining number of
3   images to be sent.

1   32. A communication device as recited in claim 30
2   wherein said visual display indicates remaining time for
3   transmission.

1   33. A communication device as recited in claim 30
2   wherein said visual display indicates established connection
3   to the camera.

1   34. A communication device as recited in claim 30
2   wherein said visual display indicates established connection
3   to said destination device.

1   35.   A   communication   device   as   recited   in   claim   1
2   wherein   said   camera   communication   means   includes   a   serial
3   port.

1   36.   A   communication   device   as   recited   in   claim   1
2   wherein   said   camera   communication   means   includes   a   parallel
3   port.

1   37.   A   communication   device   as   recited   in   claim   1
2   wherein   said   camera   communication   means   includes   a   SCSI   port.

1   38.   A   communication   device   as   recited   in   claim   1
2   wherein   said   camera   communication   means   includes   a   USB   port.

1   39.   A   communication   device   as   recited   in   claim   1
2   wherein   said   camera   communication   means   includes   an   infrared
3   port.

1   40.   A   method   for   transmitting   digital   data   from   a
2   camera   to   a   destination   device   said   method   comprising:
3   (a)   performing   operations   by   use   of   a   communication
4   device,   said   operations   including
5   (i)   sending   said   digital   data   from   a   camera   to
6   said   communication   device;   and
7   (ii)   structuring   said   camera   data   within   said
8   communication   device   to   a   compatible   protocol   for
9   transmission   through   a   network   to   a   communication   network   to
10   a   destination   device.

1   41.   A   method   as   recited   in   claim   40   wherein   said
2   destination   device   is   a   computer.

1   42.   A   method   as   recited   in   claim   40   wherein   said
2   destination   device   is   a   computer.

43. A method as recited in claim 40 wherein said destination device is a network.

44. A method as recited in claim 40 wherein said destination device is a printer.

45. A method as recited in claim 40 wherein said operations further include
(a) encrypting said digital camera data to form encrypted camera data; and
(b) structuring said encrypted data to a compatible protocol for transmission through a network to a destination device.

46. A method as recited in claim 40 wherein said operations further include
(a) creating authentication data; and
(b) structuring said authentication data to a compatible protocol for transmission through a network.

47. A method as recited in claim 40 further comprising programming said communication device to add additional data for transmission with said camera data to a network.

48. A method as recited in claim 40 further comprising:
programming said communication device with operational instructions for transmission to said camera.

49. A method as recited in claim 40 further comprising:
programming said communication device for encryption of camera data.

1   50. A   method   as   recited   in   claim   40   further
2   comprising:
3   programming   said   communication   device   for   creating
4   authentication data.

1   51. A   method   as   recited   in   claim   40   further
2   comprising:
3   .   programming   said   communication   device   for   watermarking
4   of camera data.

1   52. A   method   as   recited   in   claim   40   further
2   comprising:
3   programming   said   communications   device   for
4   fingerprinting data.

1   53. A   method   as   recited   in   claim   50   further
2   comprising:
3   (a)   transmitting   unencrypted   digital   camera   data   to   a
4   first said destination device; and
5   (b)   transmitting   said   authentication   data   to   a   second
6   said destination device.

1   54. A   method   for   transmitting   digital   camera   data
2   comprising:
3   (a)   uploading   said   digital   camera   data   from   a   camera
4   to a communication device; and
5   (b)   structuring   said   camera   data   within   said
6   communication device to a compatible format for transmission
7   and   display   of   said   digital   camera   data   on   a   video/TV
8   receiver.

1   55.   A digital camera comprising:
2   (a)   means for converting light to digital image data;
3   (b)   port means for receiving and sending digital data;

4   (c) means for transmitting and receiving said digital

5 data to and from a destination device by way of a

6 communication network; and

7   (d) means for automatically performing one or more

8 programmed operations upon occurrence of a condition.

1   56. A digital camera as recited in claim 55 further

2 comprising means for securing said digital image data.

1   57. A digital camera as recited in claim 56 wherein

2 said programmed operations include said transmitting said

3 data.

1   58. A communication device as recited in claim 1

2 further comprising means for automatically performing a

3 programmed operation upon occurrence of a condition.

1   59. A communication device as recited in claim 58

2 wherein said programmed operation is receiving of image data

3 from a camera and performing an operation in response to

4 receiving said image data.

1   60. A communication device as recited in claim 58

2 wherein said condition is an instruction received from a

3 destination by way of said network.

1   61. A communication device as recited in claim 58

2 wherein said condition is a specific time to perform said

3 operation.

1   62. A communication device as recited in claim 58

2 wherein said condition is slow traffic on the network.

1   63. A communication device as recited in claim 58

2 wherein said operation is sending data to said network.

1   64. A communication device as recited in claim 58
2 wherein said condition is a predefined amount of camera
3 memory capacity available for storage of additional image
4 data.

1   65. A communication device as recited in claim 58
2 wherein said operation is receiving additional information
3 from a remote destination.

1   66. A communication device as recited in claim 65
2 wherein said additional information is for accompanying
3 specific image data.

1   67. A communication device as recited in claim 65
2 wherein said additional information is operational
3 instructions.

1   68. A communication device as recited in claim 58
2 wherein said operation is connecting to a network.

1   69. A communication device as recited in claim 58
2 wherein said operation is disconnecting from a network.

1   70. A communication device as recited in claim 61
2 wherein said operation is taking a picture.

1   71. A communication device as recited in claim 61
2 wherein said operator is downloading said data to said
3 destination device.

1   72. A communication device as recited in claim 61
2 wherein said operation is uploading data from said
3 destination device.

1   73. A communication device as recited in claim 72
2 wherein said data includes a camera ID and account number.

1   74. A communication device as recited in claim 73
2 wherein said operation further includes downloading said
3 camera ID and account number upon occurrence of a second
4 condition.

1   75. A communication device as recited in claim 1
2 further comprising a ROM programmed for a specific purpose.

1   76. A communication device as recited in claim 75
2 wherein said specific purpose is to restrict downloading to a
3 specific destination.

1   77. A communication device as recited in claim 1
2 further comprising visual display means for indicating
3 operation status.

1   78. A communication device as recited in claim 77
2 wherein said display means indicates when said device is
3 programmed to connect to a network, and indicate when a
4 network connection is made to said device.

1   79. A digital camera as recited in claim 57 wherein
2 said condition includes said camera receiving a signal from
3 said remote destination.

1   80. A digital camera as recited in claim 57 wherein
2 said condition includes said camera programmed to perform a
3 said operation at a specific time.

1   81. A digital camera as recited in claim 57 wherein
2   (a) said means for securing includes means for
3 creating encrypted data from said digital image data;
4   (b) said programmed operations further include said
5 securing and said transmitting; and
6   (c) said digital data includes information to be
7 transmitted to said destination.

82. A digital camera as recited in claim 81 wherein said digital data includes

    (a)   camera identification data; and

    (b)   user identification data.

83. A method as recited in claim 40 further comprising:

said communication device automatically responding to one or more conditions by performing one or more programmed operations.

84. A method as recited in claim 83 wherein

    (a)   said programmed operation is said transmitting; and

    (b)   said condition includes a signal from said destination.

85. A communication device as recited in claim 1 further comprising means for including identification of a camera that secured a particular image along with said data representing said particular image.

86. A digital camera as recited in claim 55 further comprising means for including identification of said camera along with said data representing said particular image.

87. A method as recited in claim 40 further comprising means for including identification of a camera that secured a particular image along with said data representing said particular image.

88. A method as recited in claim 40 further comprising means for including a unique number with each group of said digital data representing a particular image.

89. A digital camera as recited in claim 86 further comprising means for including a unique number with each said data representing said particular image.

90. A digital camera as recited in claim 55 wherein said condition is a predefined amount of camera memory capacity available for storage of additional image data, and said operation is downloading of image data.

91. A digital camera as recited in claim 55 wherein said condition is a passing of a predetermined interval of time, and said operation is downloading of image data.

92. A digital camera as recited in claim 55 wherein said operation is downloading of image data into a pre-existing database.

93. A digital camera as recited in claim 55 wherein said condition originates at said camera, and said operation is downloading of image data.

94. A digital camera as recited in claim 55 wherein said digital data includes data received from a server.

95. A communication device as recited in claim 58 wherein said condition is a passing of a predetermined interval of time, and said operation is downloading of image data.

96. A communication device as recited in claim 58 wherein said operation is downloading of image data into a pre-existing database.

1 97. A communication device as recited in claim 58
2 wherein said condition originates from said camera, and said
3 operation is downloading of image data.

1 98. A communication devise as recited in claim 58
2 wherein said digital data includes said communication device
3 receiving a signal from said destination device.

1 99. A digital camera as recited in claim 55 wherein
2 said condition is slow traffic on a network, and said
3 operation is downloading data to a destination device
4 through said network.